

Amendment A
USSN 10/648,891
May 26, 2005
Reply to Office Action of February 28, 2005
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Amendment to the Specification:

Please replace the paragraph beginning on page 22, line 18 with the following amended paragraph:

If the USE_A and USE_B signals indicate the PMU's desire to use Battery A and Battery B in parallel, but the PBUE signal is low, the selector circuit 314 will not permit parallel battery operation thereby overriding the PMU's desired parallel operation. With all else being acceptable, the selector circuit 314 will permit charging of the battery with the lower voltage level. For instance, columns 514, 516 indicate Battery A has the lower voltage level. As such, switches SW5 and SW6 to Battery B are OFF. ~~Switches~~ Switch SW3 to Battery A is ON in column 514 and switches SW3 and SW4 are ON in column 516. ~~510 because of a low charging current and switches SW3 and SW4 are ON in column 512 because of a high charging current.~~ Similarly, if Battery B has the lower voltage level, switches SW3 and SW4 to Battery A will remain OFF as illustrated in columns 518 and 520. Switches SW5 and SW6 to Battery B will turn ON depending on the charging current level.